



Material Safety Data Sheet

1.0 Chemical Product and Company Identification:

1.1	Product Name:	LDL 80 Liquid Laundry Break
1.2	Product Type:	Laundry Detergents
1.3	Company	Noramtech Corporation 19 Elmwood Avenue Kansas City, Kansas 66103
1.4	Phone	1-800-643-9070; 1-913-713-4120; Fax 1-913-713-4127
1.5	Emergency	Chemtrec 1-800-424-9300

2.0 Hazardous Components

PRINCIPAL HAZARDOUS COMPOUNDS	CAS #	Wt %	THRESHOLD LIMIT VALUE (UNITS)
Sodium hydroxide	1310-73-2	20-25	2ppm CORROSIVE

SECTION 313: This product is not known to contain any compound listed and in quantities requiring reporting under SARA Title III Section 313.

CALIFORNIA PROPOSITION 65: This product is not known to contain any material listed under California's Proposition 65.

3.0 Physical Data

3.1	Appearance:	Clear, colorless liquid
3.2	Solubility in water:	Complete
3.3	PH 0.5% Solution	12-13
3.4	Boiling Point	ca. 250F
3.5	Flash Point	Does not burn
3.6	Vapor Pressure	NA
3.7	Specific Gravity/Density	1.27

4.0 Fire and Explosion Data

4.1	Special Fire Hazards:	Always wear NIOSH-approved self-contained breathing apparatus when fighting chemical fires.
4.2	Fire Fighting Methods:	Water spray, dry chemical, foam, CO2, not combustible
4.3	Unusual Fire and Explosion Hazards:	Extinguish all nearby sources of ignition since flammable hydrogen gas will be liberated from contact with some metals

5.0 Reactivity Data

5.1	Stability:	Yes
5.2	Conditions to Avoid:	Do not mix with strong bases or oxidants
5.3	Hazardous Decomposition Products:	Carbon monoxide with various sugars.

6.0 Spill or Leak Procedures

6.1	Cleanup and Disposal:	Dispose of solid trash in normal manner in accordance with local and state regulations. Prior permitting may be required before any industrial cleaners may be discharged into city sewers.
6.2	Steps to be taken if released or spilled:	Reclaim for use or neutralize with dilute hydrochloric acid and flush to sewer.

7.0 Health Hazard Data

7.1	Effects of overexposure:	Eyes: X Skin: X Ingestion: X Inhalation: X Chronic Exposure:
7.2	Signs and Symptoms of Exposure:	Eye and skin irritant. Ingestion can cause burning of mouth and throat tissues and abdominal pains, vomiting and collapse. Swallowing large quantities can cause death.

8.0 First Aid

8.1	Eyes:	Flush with running cool water for 10-15 minutes and see physician.
8.2	Skin:	Wash thoroughly with soap and water.
8.3	Ingestion:	Drink large amount of water or milk and transport to an emergency medical center for immediate attention.
8.4	Inhalation:	Remove person to fresh air.

9.0 Protective Measures

9.1	Eyes Protection:	Safety glasses or goggles.
9.2	Skin Protection:	Chemical resistant gloves for prolonged exposure.
9.3	Respiratory Protection:	Control emissions below PEL at point of use.
9.4	Ventilation Protection:	Local exhaust, mechanical

10.0 Special Precautions

10.1	Handling and Storage Precautions:	Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Remove and launder contaminated clothing before reuse. Avoid breathing dust. Keep partially used containers closed and away from heat and high humidity. Do not exceed storage temperatures of 100° F.
10.2	Transport Information	DOT Class: Compounds, cleaning liquid, 8, NA1760, PG II (contains phosphoric acid) DOT Proper Shipping Name: Refer to bill of lading or container label for DOT or other transportation hazard classification if any.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

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Dated: January 2, 2008